

• • , “ • ” • , a
 • • , “ ”
 • • , • • , “ ”

•

() .

/ ()

99,999% .

The modern high-performance methods of degasification of battle toxiferous chemical agents (BTCA) are reviewed. The applications of aqueous solutions aliphatic peroxy acids in a complex with surface-active agents and catalysts of interphase carry are offered. They is irreciprocal and is fast oxidized and/or per(hydrolysis) such most dangerous quoters of a chemical weapon, as organophosphorus compound BTCA, nitrogen and sulfuric mustard gases and lewisite with conversion level up to 99,999%. Is rotined, that the products of process of rendering more than on the order less toxiferous, have no the battle characteristics and the salvaging - yield to generating of materials, which one will be used in a chemical industry.

(, , ,)

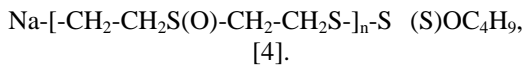
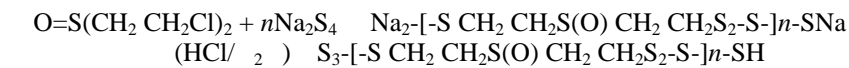
()

() .

[1].



[2]. (2-)
 [3],



0,0043 1) [5].

“ — ”,

[6],

(1 : 1000 40 – 60 ° “ : : ”, 5 – 30 .

99,999 %. 1,4- (15,2 %), 2- (46,1 %) (1,6 %).

20 – 25° . 2- 2- ; [7].

[8]. 2- 20 %- N- 4-22° .

4,5 1 : 2, 9,5 4 ° “ : ” ([10] VX 8 .) [9].

N-

/ ,		LD ₅₀ , /
1.	- (2-)	2,4
2.	- (2-) N-	75-125
3.	- (2-)	1,05
4.	- (2-) N-	50-100
5.	-(2-)	2,1
6.	-(2-) N-	2,5-5,0

8,4. V ,

V “ - ”.

V

V

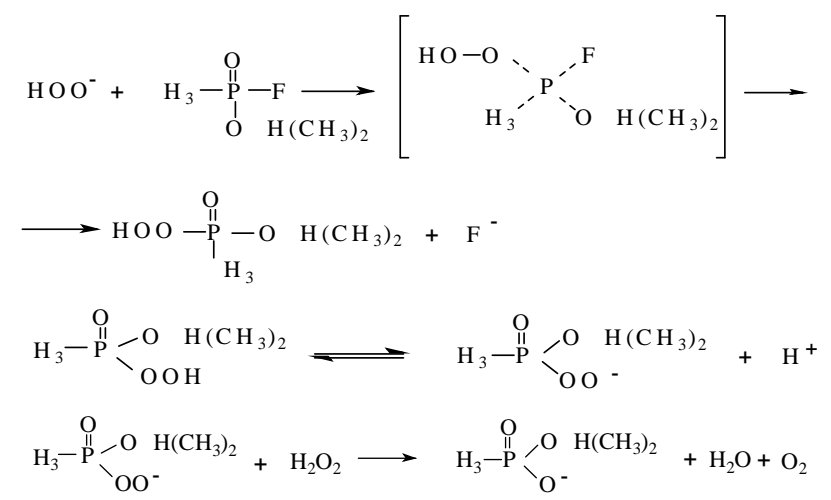
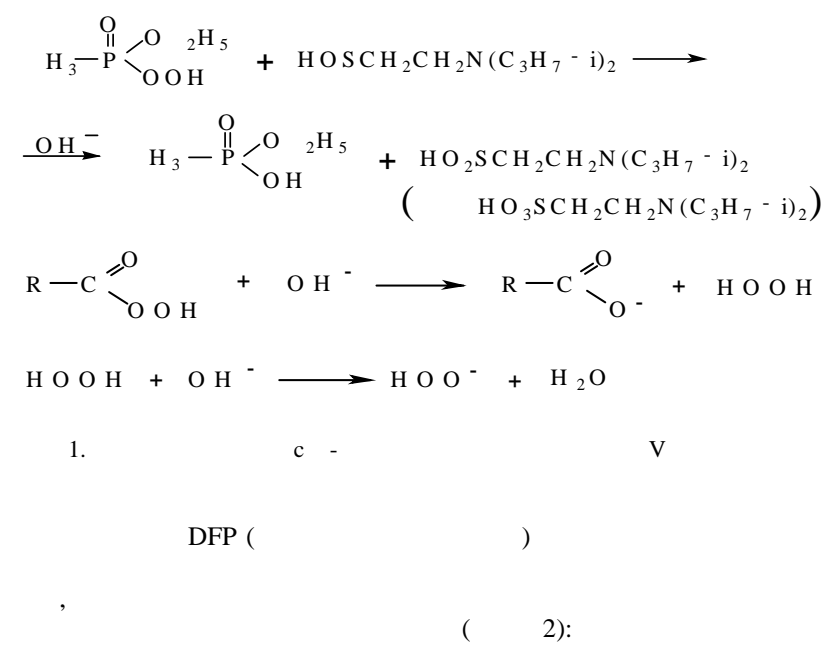
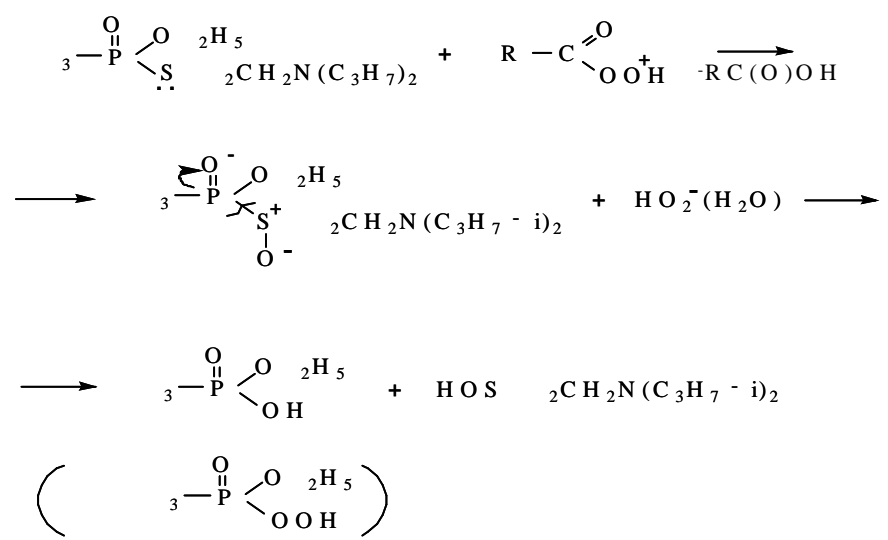
-

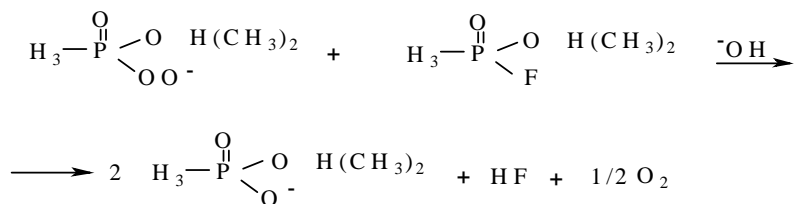
-S

V /

-S

(1).





2.

"

-

."

(GB)

.

,

.

(

)

-

.

-

,

,

GB.

7,4 50%

0,1% 2 2

8

84

..

8,4 - 84

.

12

.

GB

3%

50

2 2

;

,

.

,

,

,

,

,

,

-

-

-

: 1. Glasser H., Chang D.P.Y., Hiekman D.C.J. All Waste Manage. Assoc., 1991,

v. 41, N 9, P. 1180-1188. 2.

VI

.

(15-20

1990

).

, 1990, 127 3. Abrams J.T., Barker R.L., Jones W.E., Woodward F. J.Soc., Chem.Ind., 1949, v.

68, N 8, P. 237. 4.

.

, 1986, 27, N 4, 860-868. 5.

.., 1938. 587 6.

.

..

..

..

..

..

(10-11 1993).

, 1993, 13-14. 7. Szafnaniec Liuda L., Rohrbaugh Denni K., Procell Lawrence R., Mochner

Brian K., Yang Yu-Chu.,

,

,

,

,

,

,

,

.

, 16-19 1993 .

. Oxidation of Lewisite and sulfur and nitrogen mustards / // Sci. Conf. Chem. Def. Res.

Aberdeen, Md, 16-19 Nov., 1993: Abstr. Dig. / US Army Edgewood Res Dev. And Eng. Cent. -

[Aberdeen (Md)], 1993. - P. 44. -

8. Bunton C.A., Foroudian H.J., Kumar Anurad,

. Oxydation of

sulfides and oxidative hydrolysis of thioaryl esters by peroxymonosulfate (78) / // Sci. Conf. Chem. Def. Res. Aberdeen, Md, 16-19 Nov., 1993: Abstr. Dig. / US Army Edgewood Res Dev. And Eng. Cent. - [Aberdeen (Md)], 1993. - P. 44. - . 9. Bartram P.W., The oxidation of 2-chloroethyl phenyl sulfide by magnesium monoperoxyphthalate (88) / // Sci. Conf. Chem. Def. Res. Aberdeen, Md, 16-19 Nov., 1993: Abstr. Dig. / US Army Edgewood Res [Aberdeen (Md)], 1993. - P. 48. - . 10. Hovanec J.W., Henderson Vikki D., Albizo Johnnie M., The destruction of Vx in aqueous sodium hydroxide with and without hydrogen peroxide (124) // Sci. Conf. Chem. And Biol. Def. Res. Aberdeen, Md, 15-18 Nov., 1994: Abstr. Dig. - [Aberdeen (Md)], 1994. - P. 61. - .

23.05.06